

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claims 1-10 (canceled).

Claim 11 (previously presented): A device for promoting wound healing in mammals, comprising:

a negative pressure source;

a pad for placement within a wound of a mammal;

a drape for sealing and enclosing said pad on said wound and for maintaining a reduced pressure within said wound;

a fluid communication means for communicating between said negative pressure source and said pad; and

a heating element for actively heating said pad;

wherein said heating element is in contact with said pad;

wherein said heating element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claims 12 through 14 (canceled).

Claim 15 (currently amended): ~~The device according to claim 12~~ A device for promoting wound healing in mammals, comprising:

a negative pressure source;

a pad for placement within a wound of a mammal;

a drape for sealing and enclosing said pad on said wound and for maintaining a reduced pressure within said wound;

a fluid communication means for communicating between said negative pressure source and said pad;

a heating element for actively heating said pad; and

a cooling element for actively cooling said pad subsequent to heating said pad; and

wherein said cooling element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 16 (previously presented): The device according to claim ~~14~~<sup>15</sup> further comprising a source of warm fluid for circulation through said fluid channels.

Claim 17 (previously presented): The device according to claim 15 further comprising a source of cool fluid for circulation through said fluid channels.

Claims 18 and 19 (cancelled).

Claim 20 (currently amended): A device for promoting wound healing in mammals, comprising:

a negative pressure source;

a pad for placement within a wound of a mammal;

a cover for maintaining a reduced pressure within the wound;

a fluid communication means for communication between said negative pressure source and said pad; and

a cooling element for actively cooling said pad. The device according to claim 18 wherein said cover is interposed between said pad and said cooling element.

Claim 21 (currently amended): The device according to claim 2018 wherein said cooling element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 22 (currently amended): The device according to claim 2019 further comprising a heating element for actively heating said pad subsequent to cooling said pad, and wherein said heating element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 23 (previously presented): The device according to claim 21 further comprising a source of cool fluid for circulation through said fluid channels.

Claim 24 (previously presented): The device according to claim 22 further comprising a source of warm fluid for circulation through said fluid channels.

Claim 25 (previously presented): A device for promoting wound healing in mammals, comprising:

- a negative pressure source;
- a pad for placement within a wound of a mammal;
- a cover for maintaining a reduced pressure within said wound;
- a fluid communication means for communicating between said negative pressure source and said pad; and
- a heating and cooling pad for affecting metabolic function at said wound, and positioned proximate said pad.

Claim 26 (previously presented): The device according to claim 25 wherein said heating and cooling pad comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 27 (previously presented): The device according to claim 25 further comprising a source of warm or cool fluid for circulation through said fluid channels.